

**The National Academy of Sciences of Ukraine  
Division of Nuclear Physics and Power Engineering  
National Science Center "Kharkov Institute of Physics and Technology"  
V.N. Karazin Kharkiv National University.**

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**INTERNATIONAL SEMINAR  
"ACTUAL PROBLEMS OF PLASMA PHYSICS"**

**January 16, 2018  
Kharkov, Ukraine**

**GENERAL INFORMATION**

International Seminar "**Actual Problems of Plasma Physics**" will be held on 16-17 January 2018 at the Institute of Plasma Physics KIPT. This seminar is devoted to the date of 80th anniversary of the prominent scientist in the field of plasma physics and controlled fusion, corresponding member of the National Academy of Sciences of Ukraine, professor, Laureate of the State Prize of Ukraine in Science and Technology, Vladimir Ivanovich TERESHIN (1938-2010).

**TOPICS OF SEMINAR:**

- **Fundamental issues of plasma physics;**
- **Magnetic confinement of high temperature plasma;**
- **Plasma dynamics and plasma-surface interactions;**
- **Fusion reactor aspects, ITER project;**
- **Plasma diagnostics;**
- **Plasma electronics and new methods of acceleration;**
- **Low-temperature plasma, advanced plasma based technologies;**
- **Space plasma;**
- **Inertial confinement fusion, laser and beam plasmas;**
- **Constructional materials for nuclear fusion reactors;**
- **Engineering problems of plasma physics;**
- **Related issues of nuclear science and technology**

**Working languages are Ukrainian, English and Russian.**

**There will be no registration fee for participants.**

## **IMPORTANT DATES**

- **before 17 December 2017** – Intention to participate in the seminar and proposed titles of reports
- **up to 10 January 2018** Working program of the seminar will be distributed
- **January 16, 2018** - Registration
- **16 January 2018** – Seminar sessions

Scientific papers based on the seminar reports will be recommended, on the selection of the Organizing Committee, for publication in the journals "Problems of Atomic Science and Technology" and "East European Journal of Physics".

**Workshop Venue: Kharkov 61108, Academicheskaya str. 1. Institute of Plasma Physics of the NSC KIPT, conference hall of bld.71.**

Applications for participation in the International Seminar "Actual Problems of Plasma Physics" should be sent by e-mail with indication of the presentation title and authors, as well as the presenting author, the institution full name, business address, telephone number (with area code), E-mail.

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